

Title (en)

ION EXCHANGE REACTOR WITH PARTICLE TRAPS FOR LITHIUM EXTRACTION

Title (de)

IONENAUSTAUSCHREAKTOR MIT PARTIKELFALLEN FÜR DIE LITHIUMEXTRAKTION

Title (fr)

RÉACTEUR D'ÉCHANGE D'IONS À PIÈGE À PARTICULES POUR EXTRACTION DE LITHIUM

Publication

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Application

EP 19760509 A 20190227

Priority

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Abstract (en)

[origin: WO2019168941A1] The present invention relates to the extraction of lithium from liquid resources such as natural and synthetic brines, leachate solutions from clays and minerals, and recycled products. For the extraction of lithium from the liquid resources, an ion exchange reactor has a tank, ion exchange particles, particle traps, and provision to modulate pH of the liquid resource.

IPC 8 full level

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[E] WO 2019126862 A1 20190704 - 2661881 ONTARIO LTD [CA]

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DOCDB simple family (publication)

WO 2019168941 A1 20190906; AR 114412 A1 20200902; AR 127976 A2 20240313; CL 2020002184 A1 20210115; CN 112041470 A 20201204; EP 3759257 A1 20210106; EP 3759257 A4 20211124; JP 2021515692 A 20210624; JP 7427598 B2 20240205; KR 20200116526 A 20201012; MA 52428 A 20210602; US 11865531 B2 20240109; US 11975317 B2 20240507; US 2021077990 A1 20210318; US 2024017250 A1 20240118

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US 2019019780 W 20190227; AR P190100488 A 20190227; AR P220103445 A 20221215; CL 2020002184 A 20200825; CN 201980028731 A 20190227; EP 19760509 A 20190227; JP 2020543519 A 20190227; KR 20207027190 A 20190227; MA 52428 A 20190227; US 201916970238 A 20190227; US 202318477278 A 20230928